

1.6T OSFP224/HYBRID



GIGALIGHT's 1.6T OSFP224-PHO 2xDR4 silicon photonics module employs the company's patented Hybrid architecture technology, which can be implemented using either VCSEL-based or silicon photonics-based designs. Unlike traditional full-DSP optical modules, the HYBRID design uses only half of the DSP channels, resulting in significantly reduced power consumption and latency. The HYBRID modules and active optical cables draw inspiration from industry-standard LPO/LRO design methodologies, but from a system-level signal alignment perspective, the HYBRID approach provides a more advanced design strategy. Conceptually, the HYBRID design can be expressed as: $\text{HYBRID} = (\text{LTO} + \text{LRO}) / 2$.

Description

Ordering Information

- Hot-pluggable OSFP transceiver modules
- Power consumption less than 21W
- Transmission up to 500m SMF
- Silicon Photonics Technology
- Comprehensively superior to traditional DSP solutions
- Commercial case operating temperature range
- Single 3.3V power supply
- Built-in digital diagnostic functionality
- RoHS compliant (lead free)